

FIG. 1 (PRIOR ART)

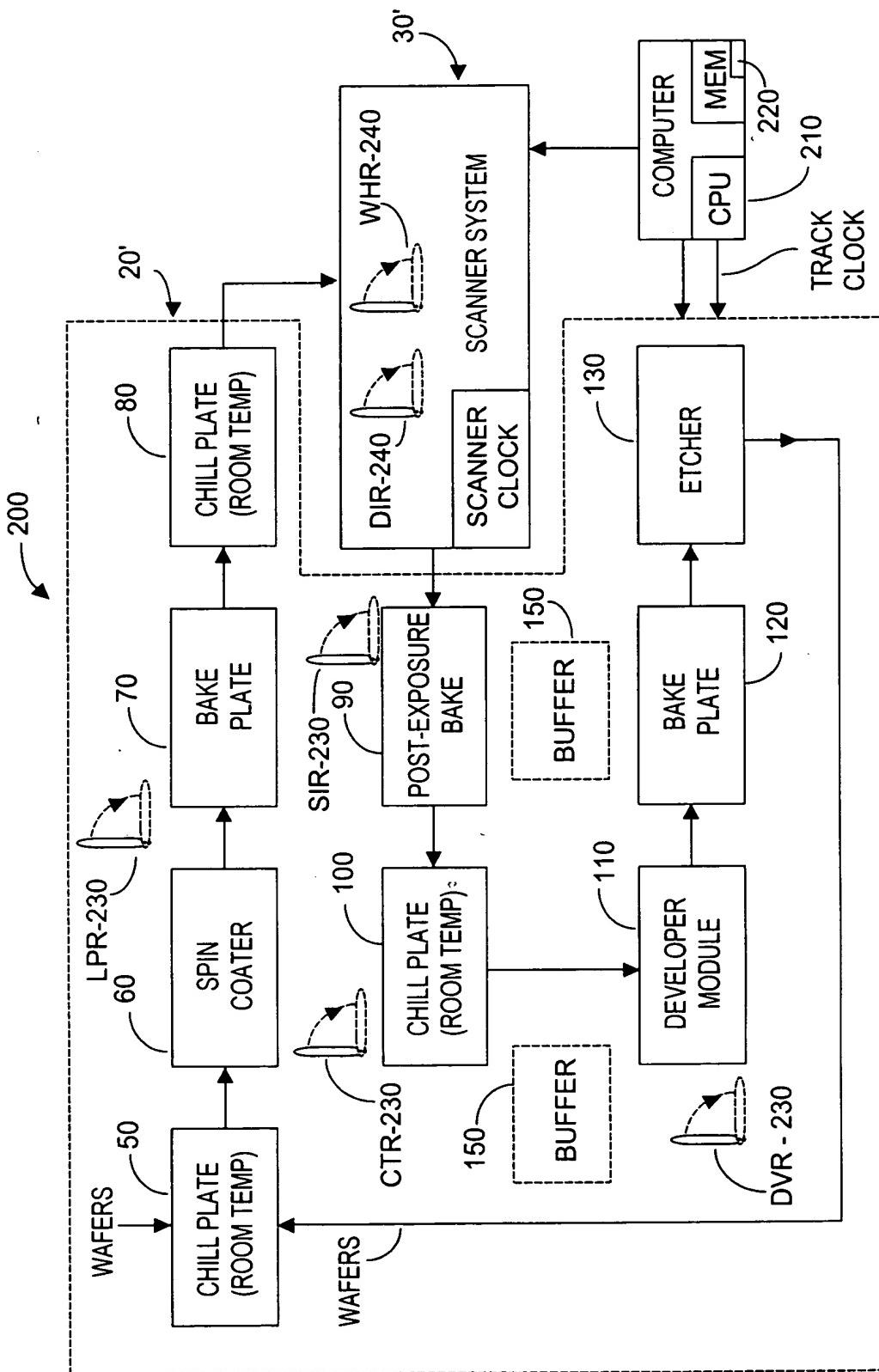
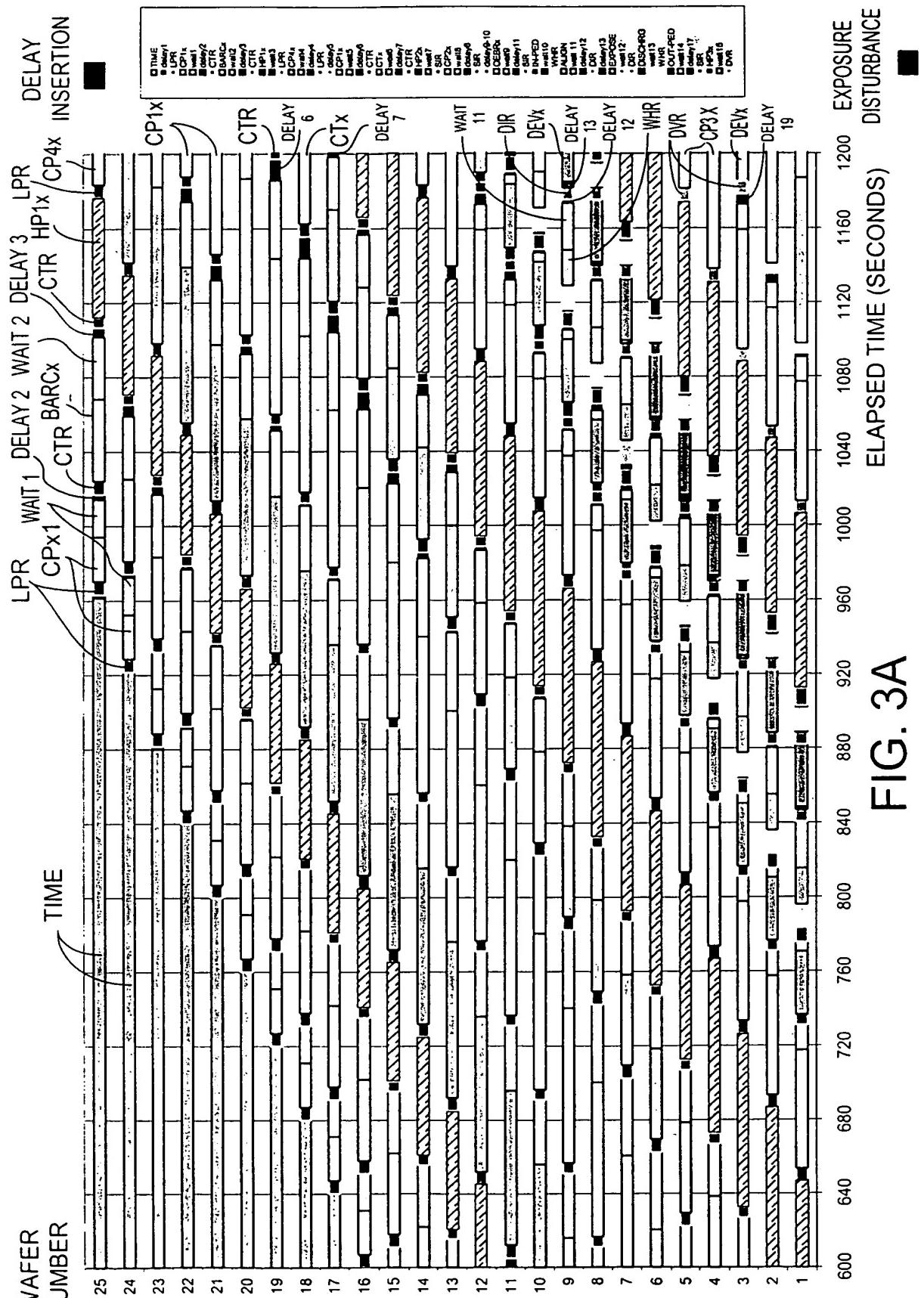
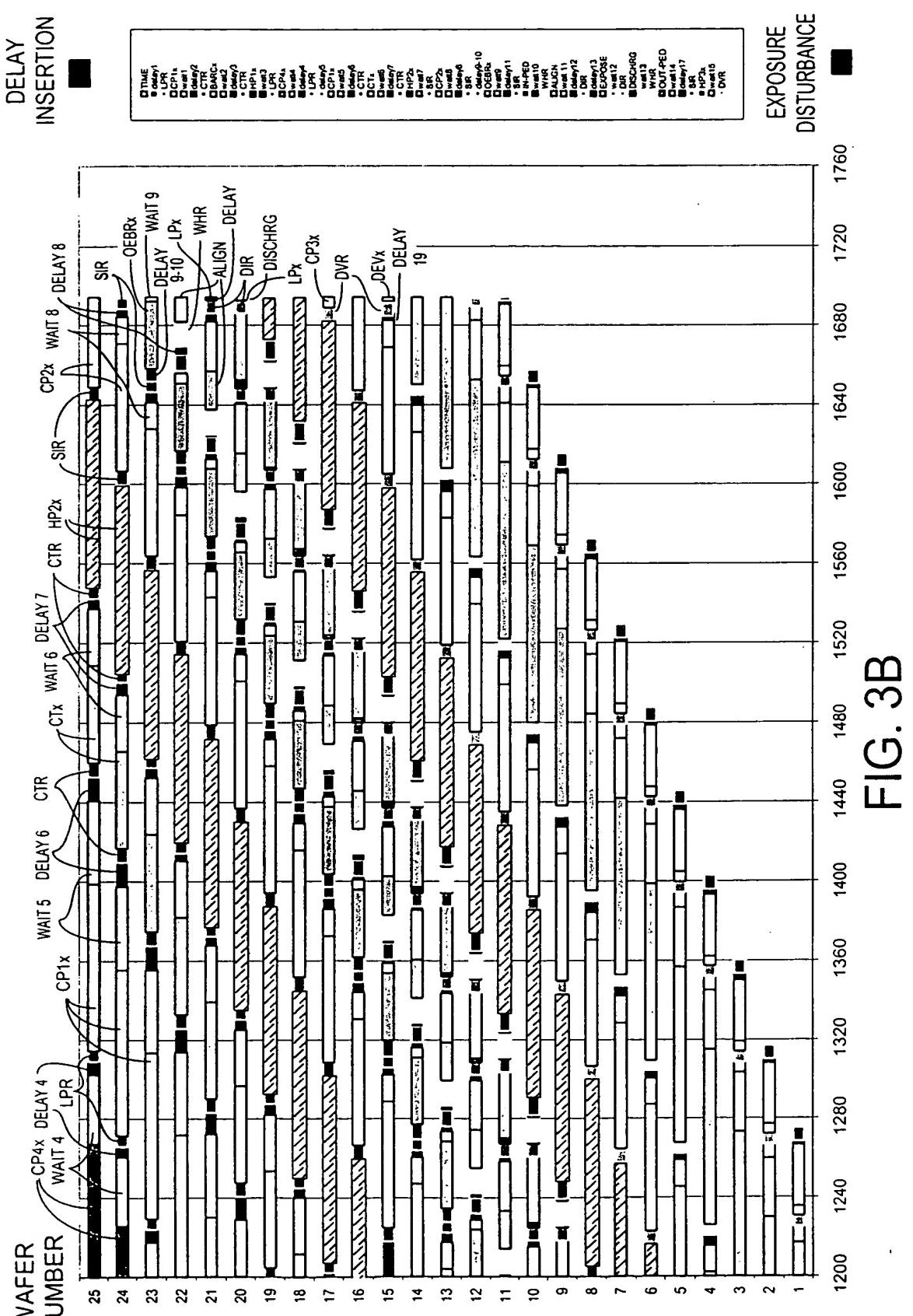


FIG. 2





WAFER NO.	$\delta_{\text{EXPOSE}}$	TIME	DELAY 1	LPR	CP1x	WAIT 1	DELAY 2	CTR	BARCx	WAIT 2	DELAY 3	CTR
1	1.54	0.00	0.00	7.00	24.00	20.00	0.00	7.00	44.00	33.50	0.00	5.50
2	0.00	40.00	0.00	7.00	24.00	20.00	0.00	7.00	44.00	33.50	0.00	5.50
3	1.86	80.00	0.00	7.00	24.00	20.00	0.00	7.00	44.00	33.50	0.00	5.50
4	2.98	120.00	0.00	7.00	24.00	20.00	0.00	7.00	44.00	33.50	0.00	5.50
5	3.39	160.00	0.00	7.00	24.00	20.00	0.00	7.00	44.00	33.50	0.00	5.50
6	1.64	200.00	0.00	7.00	24.00	20.00	0.00	7.00	44.00	33.50	0.00	5.50
7	1.71	240.00	0.00	7.00	24.00	20.00	0.00	7.00	44.00	33.50	0.00	5.50
8	1.90	280.00	0.00	7.00	24.00	20.00	0.00	7.00	44.00	33.50	0.00	5.50
9	3.16	320.00	0.00	7.00	24.00	20.00	0.00	7.00	44.00	33.50	0.00	5.50
10	2.45	360.00	0.00	7.00	24.00	20.00	0.00	7.00	44.00	33.50	0.00	5.50
11	2.76	400.00	0.00	7.00	24.00	20.00	0.00	7.00	44.00	33.50	0.00	5.50
12	1.95	440.00	0.00	7.00	24.00	20.00	0.00	7.00	44.00	33.50	0.00	5.50
13	1.82	480.00	0.00	7.00	24.00	20.00	0.00	7.00	44.00	33.50	0.00	5.50
14	3.20	520.00	0.00	7.00	24.00	20.00	0.00	7.00	44.00	33.50	0.00	5.50
15	2.92	560.00	0.00	7.00	24.00	20.00	0.00	7.00	44.00	33.50	0.00	5.50
16	2.14	600.00	0.00	7.00	24.00	20.00	0.00	7.00	44.00	33.50	0.00	5.50
17	1.77	640.00	0.00	7.00	24.00	20.00	0.00	7.00	44.00	33.50	0.00	5.50
18	3.18	680.00	0.00	7.00	24.00	20.00	0.00	7.00	44.00	33.50	0.00	5.50
19	1.23	720.00	0.00	7.00	24.00	20.00	0.00	7.00	44.00	33.50	0.00	5.50
20	4.14	760.00	0.00	7.00	24.00	20.00	0.00	7.00	44.00	33.50	1.54	5.50
21	3.14	800.00	0.00	7.00	24.00	20.00	0.00	7.00	44.00	33.50	1.54	5.50
22	3.22	840.00	0.00	7.00	24.00	20.00	1.54	7.00	44.00	33.50	1.86	5.50
23	1.91	880.00	1.54	7.00	24.00	20.00	0.00	7.00	44.00	33.50	4.84	5.50
24	1.53	921.54	0.00	7.00	24.00	20.00	1.86	7.00	44.00	33.50	6.37	5.50
25	0.00	961.54	1.86	7.00	24.00	20.00	2.98	7.00	44.00	33.50	5.03	5.50

FIG. 4A

FIG. 4B

FIG. 4C

④0	④1	④2	④3	④4	④5	④6	④7	④8	④9	④10	④11	SIR	IN-PED	WAIT 10	WHR	ALIGN	WAIT 11	DELAY 12	DIR	DELAY 13	EXPONE	WAIT 12	DIR
0.00	8.00	0.00	0.00	12.50	19.30	25.00	0.00	6.50	1.54	33.50	0.00	6.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	8.00	0.00	0.00	12.50	19.30	25.00	1.54	6.50	0.00	33.50	0.00	6.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	8.00	1.54	0.00	12.50	19.30	25.00	0.00	6.50	1.86	33.50	0.00	6.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1.54	8.00	0.00	0.00	12.50	19.30	25.00	1.86	6.50	2.98	33.50	0.00	6.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	8.00	1.86	0.00	12.50	19.30	25.00	2.98	6.50	3.39	33.50	0.00	6.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1.86	8.00	2.98	0.00	12.50	19.30	25.00	3.39	6.50	1.64	33.50	0.00	6.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2.98	8.00	3.39	0.00	12.50	19.30	25.00	1.64	6.50	1.71	33.50	0.00	6.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
3.39	8.00	1.64	0.00	12.50	19.30	25.00	1.71	6.50	1.90	33.50	0.00	6.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1.64	8.00	1.71	0.00	12.50	19.30	25.00	1.90	6.50	3.16	33.50	0.00	6.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1.71	8.00	1.90	0.00	12.50	19.30	25.00	3.16	6.50	2.45	33.50	0.00	6.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1.90	8.00	3.16	0.00	12.50	19.30	25.00	2.45	6.50	2.76	33.50	0.00	6.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
3.16	8.00	2.45	0.00	12.50	19.30	25.00	2.76	6.50	1.95	33.50	0.00	6.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2.45	8.00	2.76	0.00	12.50	19.30	25.00	1.95	6.50	1.82	33.50	0.00	6.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2.76	8.00	1.95	0.00	12.50	19.30	25.00	1.82	6.50	3.20	33.50	0.00	6.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1.95	8.00	1.82	0.00	12.50	19.30	25.00	3.20	6.50	2.92	33.50	0.00	6.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1.82	8.00	3.20	0.00	12.50	19.30	25.00	2.92	6.50	2.14	33.50	0.00	6.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
3.20	8.00	2.92	0.00	12.50	19.30	25.00	2.14	6.50	1.77	33.50	0.00	6.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2.92	8.00	2.14	0.00	12.50	19.30	25.00	1.77	6.50	3.18	33.50	0.00	6.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2.14	8.00	1.77	0.00	12.50	19.30	25.00	3.18	6.50	1.23	33.50	0.00	6.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1.77	8.00	3.18	0.00	12.50	19.30	25.00	1.23	6.50	4.14	33.50	0.00	6.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
3.18	8.00	1.23	0.00	12.50	19.30	25.00	4.14	6.50	1.50	33.50	0.00	6.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1.23	8.00	4.14	0.00	12.50	12.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

FIG. 4D

FIG. 4E

FIG. 4F